

Converting Colors

$Yxy(67.9871, 0.2226, 0.3053)$

Have a look what the booklet for
Yxy(67.9871, 0.2226, 0.3053)
contains.

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Color

Yxy(67.9952, 0.2226, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	36ECCF
RGB	54, 236, 255
RGB Percent	21%, 93%, 100%
CMY	0.7876, 0.0745, 0.0000
CMYK	0.79, 0.07, 0.00, 0.00
HSL	186°, 100%, 61%
HSV	186°, 79%, 100%
XYZ	49.5766, 67.9952, 105.1442
YIQ	183.7480, -114.5710, -32.6750

Conversions

Conversions Part 2

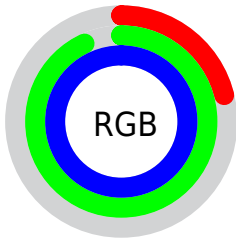
Format	Color
R _Y B	54, 150, 255
Decimal	3599615
CIE Lab	86.00, -37.19, -21.82
CIE LCh	86, 43.114, 210.397
Yxy	67.9952, 0.2226, 0.3053
Android (android.graphics.Color)	4281789695 (0xFF36ECFF)
YUV	183.7480, 35.1272, -113.7890
Hunter-Lab	82.4592, -36.9848, -17.8796

Details

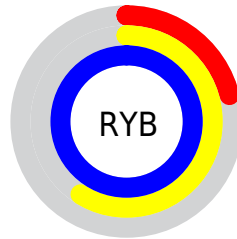
The Yxy color **67.9952, 0.2226, 0.3053** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.3160, 0.5763, 0.3423**, and the grayscale version is **47.6629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **36.7197, 0.2167, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **66.0828, 0.2187, 0.3021**, and if you desaturate by 10%, it is **70.2969, 0.2284, 0.3087**.

Distribution



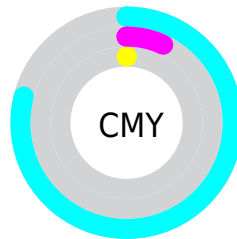
- Red (21%)
- Green (93%)
- Blue (100%)



- Red (21%)
- Yellow (59%)
- Blue (100%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9952, 0.2226, 0.3053 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 67.9952, 0.2226, 0.3053 by changing the saturation by 10% instead.


 67.9952, 0.2226,
0.3053

 67.9952, 0.2226,
0.3053


453.4790, 0.2631,
0.3178

 49.8938, 0.2137,
0.3021


 116.3453, 0.2364,
0.3099

 35.3290, 0.2029,
0.2980


 147.3628, 0.2418,
0.3116

 23.9165, 0.1896,
0.2926

 183.4544, 0.2466,
0.3131

 15.2717, 0.1729,
0.2851

 225.0047, 0.2507,
0.3143

 9.0103, 0.1514,
0.2744

272.3978, 0.2544,
0.3154

 4.7479, 0.1230,
0.2580

326.0183, 0.2576,

 2.1001, 0.0854,

0.3163

386.2506, 0.2605,
0.3171

0.2311

0.6647, 0.0000,
0.1863

0.0000, 0.0000,
0.0000

67.9952, 0.2226,
0.3053

67.9952, 0.2226,
0.3053

66.0828, 0.2187,
0.3021

70.2969, 0.2284,
0.3087

64.4853, 0.2165,
0.2988

73.0372, 0.2362,
0.3120

64.2970, 0.2162,
0.2984

76.2595, 0.2459,
0.3152

80.0012, 0.2572,
0.3184

■ 84.2961, 0.2701,
0.3214

■ 89.1751, 0.2842,
0.3242

■ 94.6665, 0.2991,
0.3269

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9952, 0.2498, 0.3582



67.9952, 0.2226, 0.3053



67.9952, 0.2176, 0.2657

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9952, 0.2226, 0.3053



67.9952, 0.3240, 0.2667



67.9952, 0.3925, 0.4138

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.9952, 0.2226, 0.3053



26.3160, 0.5763, 0.3423

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.9952, 0.4172, 0.3808



67.9952, 0.2226, 0.3053



67.9952, 0.3766, 0.2993

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9952, 0.2226, 0.3053



67.9952, 0.2724, 0.2478



67.9952, 0.4118, 0.3396



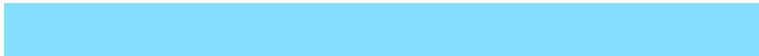
67.9952, 0.3472, 0.4256

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9952, 0.2226, 0.3053



67.9952, 0.2268, 0.2507



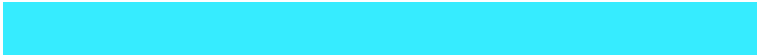
67.9952, 0.4118, 0.3396



67.9952, 0.4036, 0.4044

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.9957, 0.2226, 0.3053



86.5429, 0.2767, 0.3228



72.7626, 0.2975, 0.5634



18.1609, 0.2717, 0.3217



0.0000, 0.0000, 0.0000



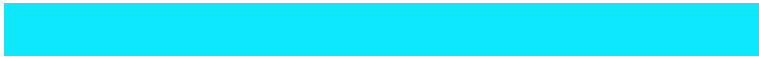
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9957, 0.2226, 0.3053



65.0580, 0.2172, 0.3000



26.1421, 0.1873, 0.1709



20.1701, 0.2980, 0.3267



33.7172, 0.2164, 0.2990



3.3649, 0.2174, 0.3027

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.9696, 0.3399, 0.1765



27.3718, 0.3453, 0.1689



50.7747, 0.4806, 0.4316



18.2690, 0.3153, 0.3078



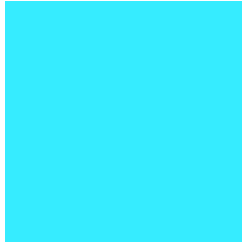
14.1317, 0.3463, 0.1681



1.3842, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 67.9952, 0.2226, 0.3053 looks on a white background.

Color Contrast Check

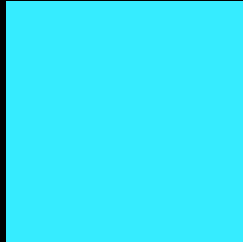
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.9952, 0.2226, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

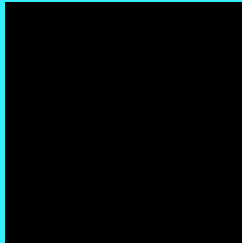
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9952, 0.2226, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 67.9952, 0.2226, 0.3053.

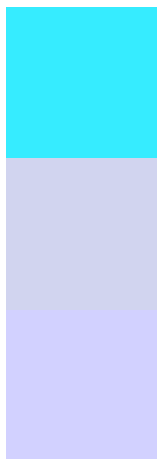


This preview shows how white text looks on a background with the Yxy color 67.9952, 0.2226, 0.3053.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

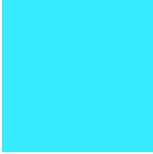
67.9952, 0.2226, 0.3053

Protanopia

66.8743, 0.2928, 0.2993

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

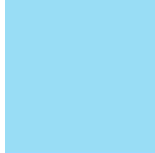
68.0517, 0.2229, 0.3054

Trichromacy



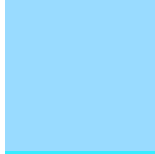
Original Color

67.9952, 0.2226, 0.3053



Protanomaly

65.0778, 0.2561, 0.3005



Deuteranomaly

64.6553, 0.2509, 0.2870



Tritanomaly

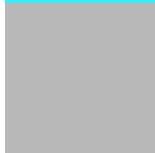
68.0231, 0.2227, 0.3054

Monochromacy



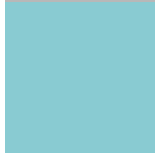
Original Color

67.9952, 0.2226, 0.3053



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.6834, 0.2627, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9952, 0.2226, 0.3053 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(54, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 236, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(54, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.9952, 0.2226, 0.3053 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(54, 236, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(54, 236, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(54, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9952, 0.2226, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 236, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(54, 236,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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